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S-178/60 (SF-1064)

Heterogeneous Catalysis in Polymolecular Adsorption Layers, by V. I. Gol'danskiy, N. N. Semenov, N. M. Chirkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LII, No 9, 1946. pp 783-785.

JPRS 4081

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The Bending of a Circular Plate With an Eccentric Opening (Hole) by a Concentrated Force (Theory of Elasticity), by N. V. Kudryavtsev. 9 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIII, No 2, 1946, pp 107-110. 9204996

AEC-SCL-Tr-456
also OTS-SCL-T-456

Sci - Engr

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EAgr 63

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DAN, Vol 53, p 327-27, 1946

"A Theoretical Explanation of Certain Peculiarities of the Meridian Profile of the Surface of the Pacific Ocean;" V.B. Shtokman

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Evakhova, V. F.
STRUCTURE-FORMING MIGRATION OF REGENERATIVE MATERIAL IN THE HYDRA, tr. by Zelda D. Knowles. 12 Sep 51, 8p. (3 figs. omitted) 6 refs.
Order from OTS or SLA $1.10 61-28013

Trans. of Akad[emiya] Nauk SSSR. (Doklady, 1946, v. 53, no. 4, p. 373-376.

DESCRIPTORS: Biology, *Regeneration, *Radiation effects, X-rays, Tissues (Biology), Cells (Biology), Mitosis, *Radiobiology.

Tests showed that a dose of 5,000 roentgens completely suppresses the regenerative capacity in pelmatohydra oligactis on the ninth day after exposure. The sensitivity of P. oligactis to the effect of the roentgen rays depends on the time of year. In the fall of the year (Biological Sciences--General, TT, v. 7, no. 4) (over)

61-28013

I. Evakhova, V. F.
II. National Institutes of Health, Bethesda, Md.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

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Ionization of Gases and Their Breakdown Strength,
by B. M. Gokhberg, E. Ya. Zandberg.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIII, No 6,
1946, pp 515-518.

HLL M. 3575

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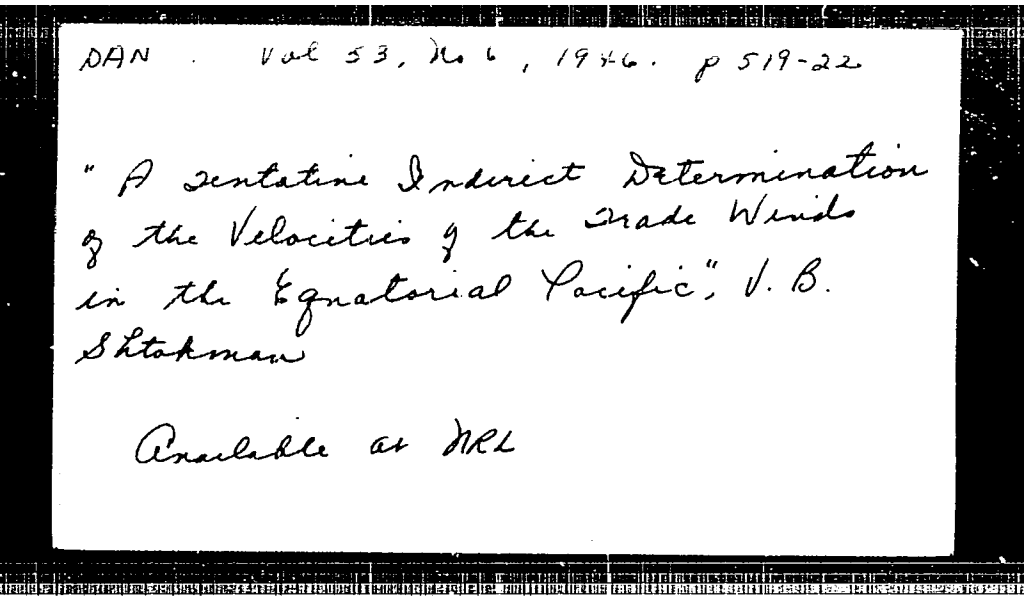

DAN . Vol 53, No 6, 1946. p 519-22

"A Tentative Indirect Determination of the Velocities of the Trade Winds in the Equatorial Pacific", V. B. Shtokman

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Deryagin, B.
MEASURE DE LA SURFACE SPÉCIFIQUE DES CORPS POREUX ET DES CORPS À L'ÉTAT DISPERSE PAR LEUR RESISTANCE À L'ÉCOULEMENT DES GAZ RARÉFIÉS, tr. by Bouchicot. 29 June 60. [9]p. CEA Trans. no. R 958 (text in French). 61-15754
Order from OTS or SLA $1.10

Trans. in French of Akad[emiya] Nauk SSSR. Dokl[ady] 1946, v. 53, no. 7, p. 627-630.

DESCRIPTORS: *Porous materials, Surface area, Measurement, Gas flow.

(Chemistry--Physical, TT, v. 6, no. 6)

61-15754

I. Deryagin, B.
II. CEA-tr-R958
III. Commissariat à l'Énergie Atomique (France)

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Office of Technical Services

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12 680 Fr-1

DERYAGIN B.

Measuring the specific area of porous substances and powders by their resistance to low-pressure gas flow

Mesure de la surface spécifique des corps poreux et des corps à l'état dispersé par leur résistance à l'écoulement des gaz raréfiés

Dokl. Akad. Nauk, 53, No. 7, 627-630 (1946)

R. 958 - French

Euratom

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

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Carbonyl Compounds and the Chemical Mechanism of Mutations, by I. Rapoport.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol LXV, No 1, 1946, pp 65-68.

S-H 60-15536 C. S. I. R. O. T4512

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Reaction of Catalytic Alkylization of Benzene by Propylene and Ethylene, by A. V. Topchiev, et al.

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On a More Accurate Solution of Reynolds' Equations, by N. A. Slezkin. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIV, No 2, 1946, pp 121-124.

CCT-832R

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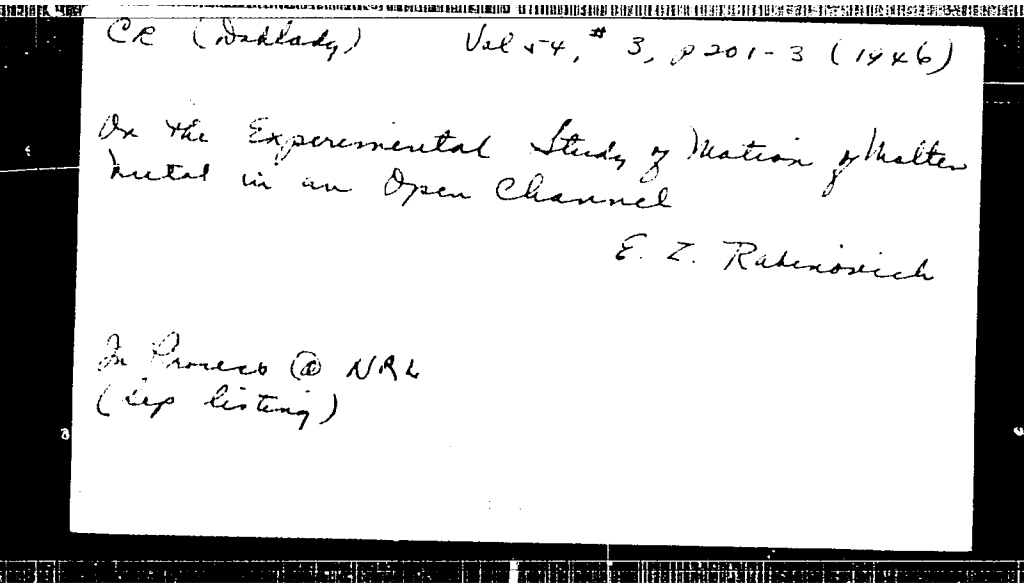

CR (Oakland) Vol 4-4, # 3, p 201-3 (14 x 6)

On the Experimental Study of Motion of Matter
buried in an Open Channel

E. Z. Rabinovich

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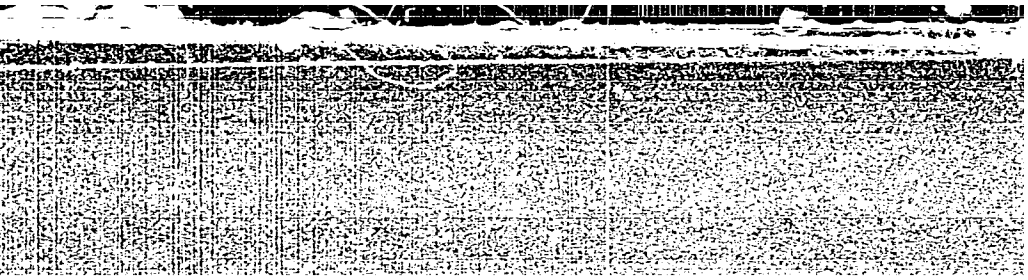

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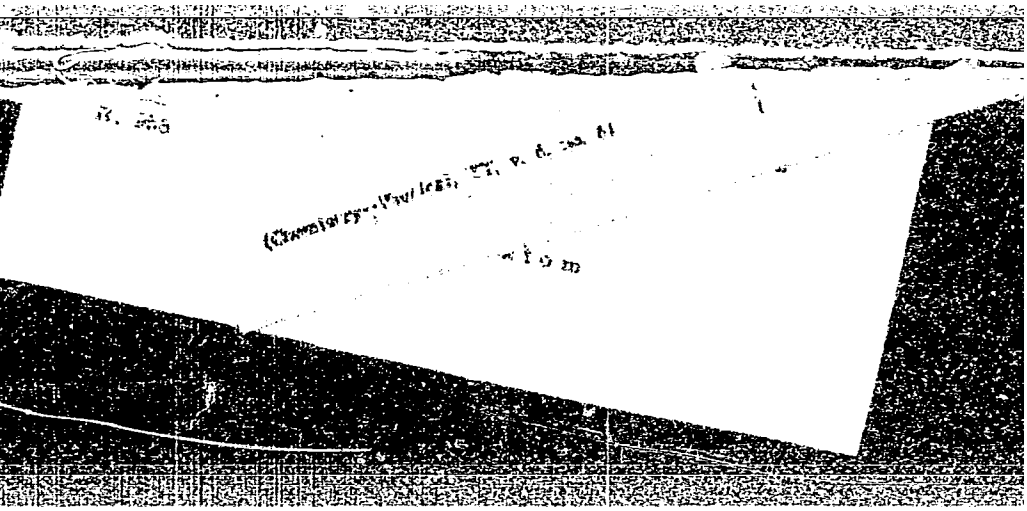

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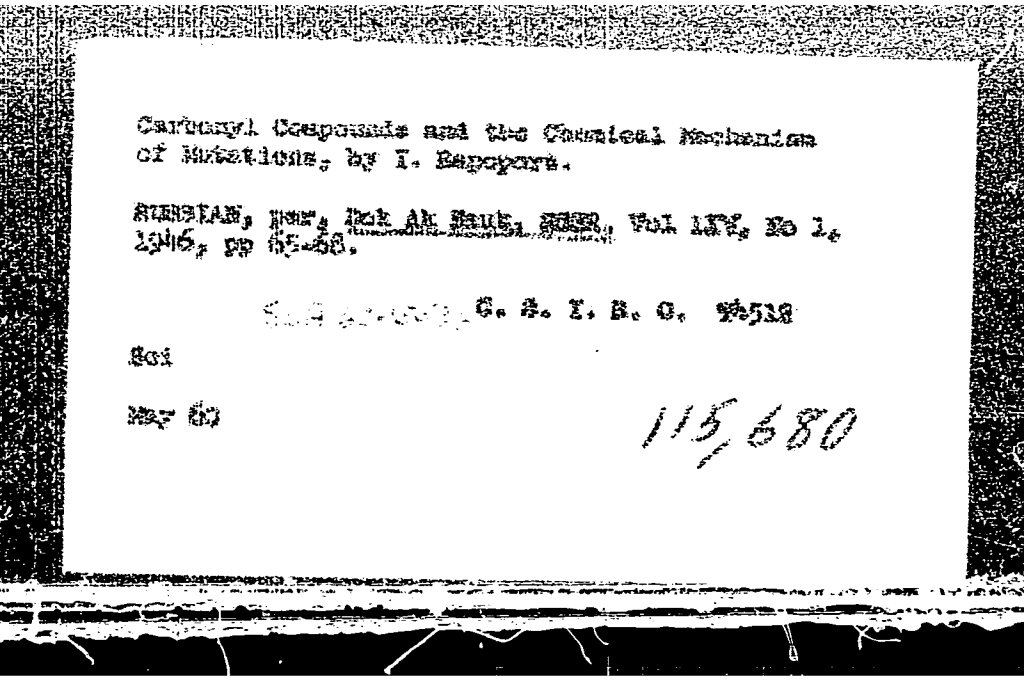

Carbonyl Compounds and the Chemical Mechanism of Mutations, by I. Rapoport.

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[illegible] C. S. T. B. C. #6518

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Reaction of Catalytic Alkylization of Benzene by Propylene and Ethylene, by A. V. Topchiev, et al.

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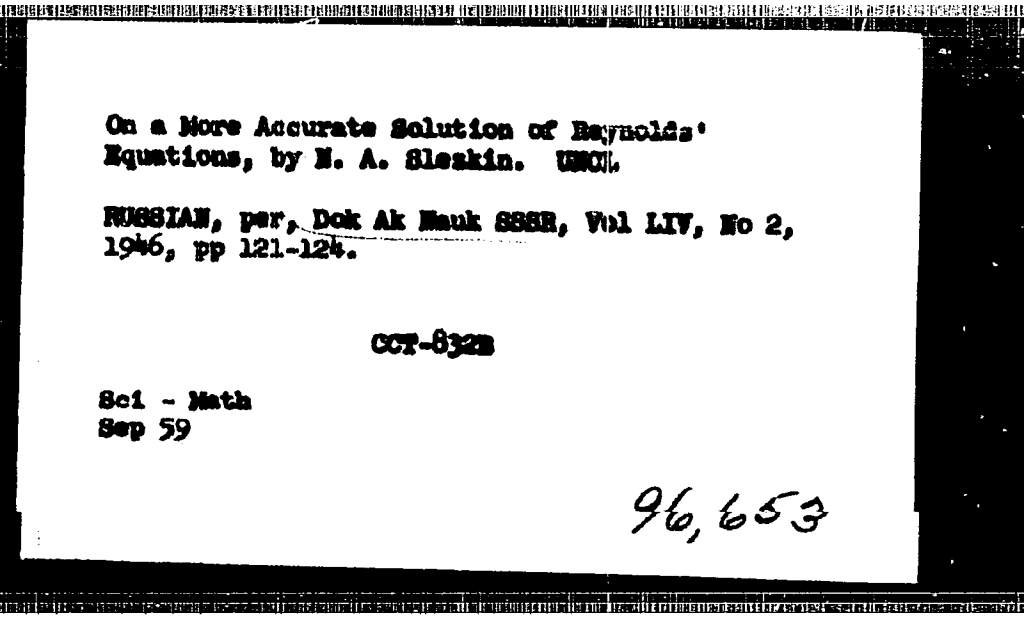

On a More Accurate Solution of Reynolds' Equations, by N. A. Sleskin. USSR.

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CCR-832m

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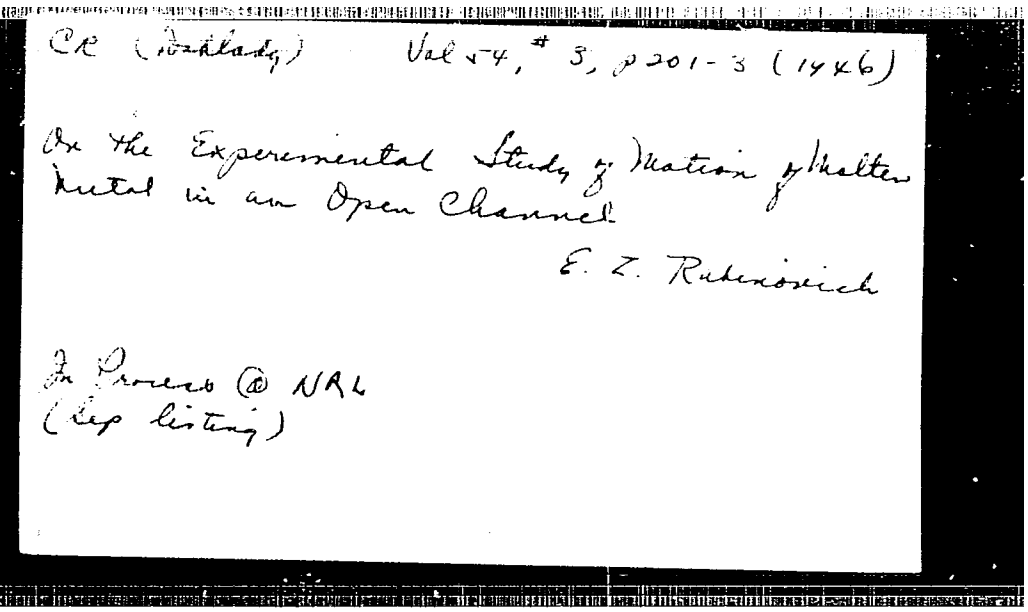

CE (Hydraulics) Vol 4, # 3, p 201-3 (1946)

On the Experimental Study of Motion of Matter Suspended in an Open Channel

E. Z. Rubinovich

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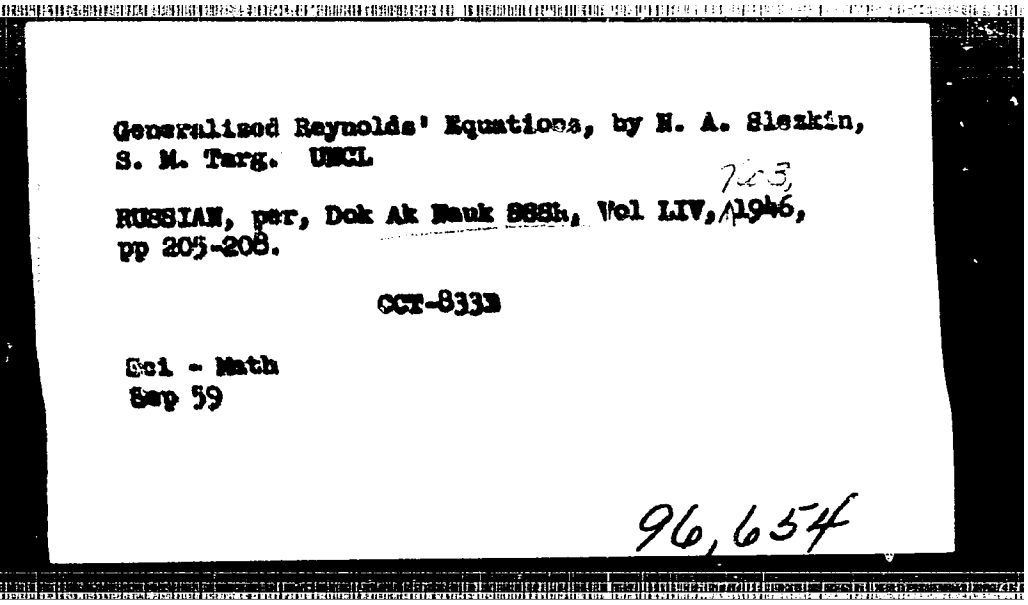

Generalized Reynolds' Equations, by N. A. Slezkin, S. M. Targ. USCL

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DAN Vol 54, No 3, 1946. p. 227-30

"Characteristic Features of the Coastal Circulation in the Sea, and Their Connection with the Transverse Non-uniformity of the Wind," V.B. Shtokman

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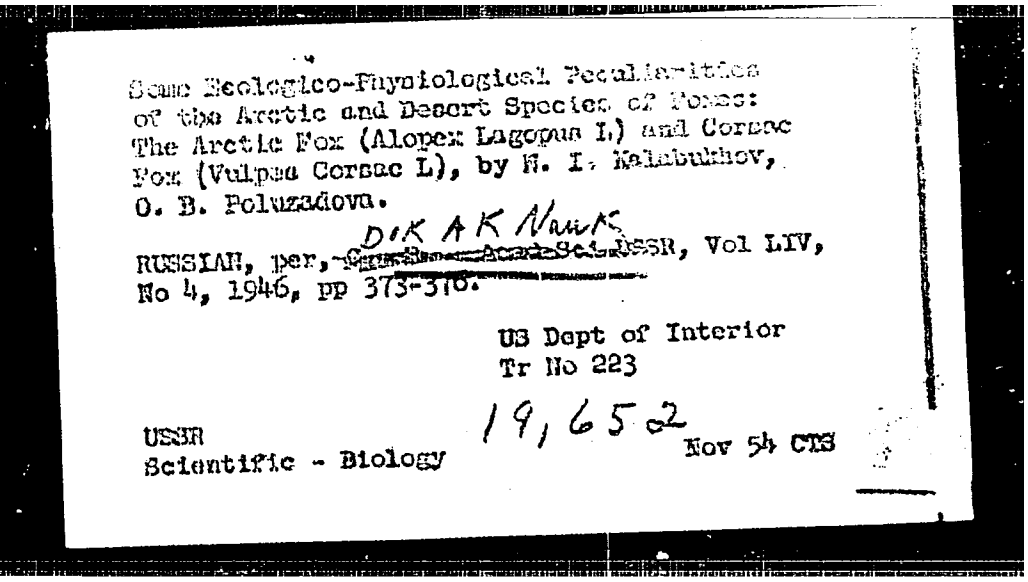

Some Ecological-Physiological Peculiarities of the Arctic and Desert Species of Foxes: The Arctic Fox (Alopex Lagopus L) and Corsac Fox (Vulpes Corsac L), by N. I. Kalabukhov, O. B. Polyzadova.

RUSSIAN, per, ~~Comptes Rendus Acad Sci~~ DIK AK Nauk USSR, Vol LIV, No 4, 1946, pp 373-376.

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Tr No 223

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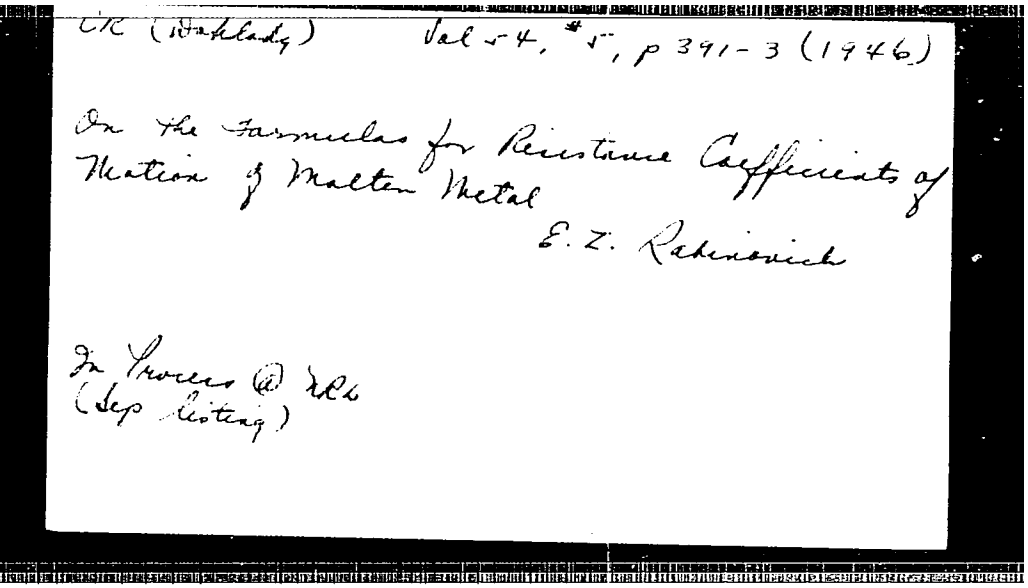

CR (Markhady) Vol 4, #1, p 391-3 (1946)

On the Formulas for Resistance Coefficients of Motion of Molten Metal

E. Z. Rabinovich

In Russian @ NRC
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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

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RABINOVICH, E. Z.

Doklady Akademii Nauk Sssr, vol. 54, 1946, No. 5, pp. 395-397;

On the Formulas for the Coefficient of Resistance in the Movement of Molten Metals.

Brutcher Trans, Order No. 2010, $ 1.65.

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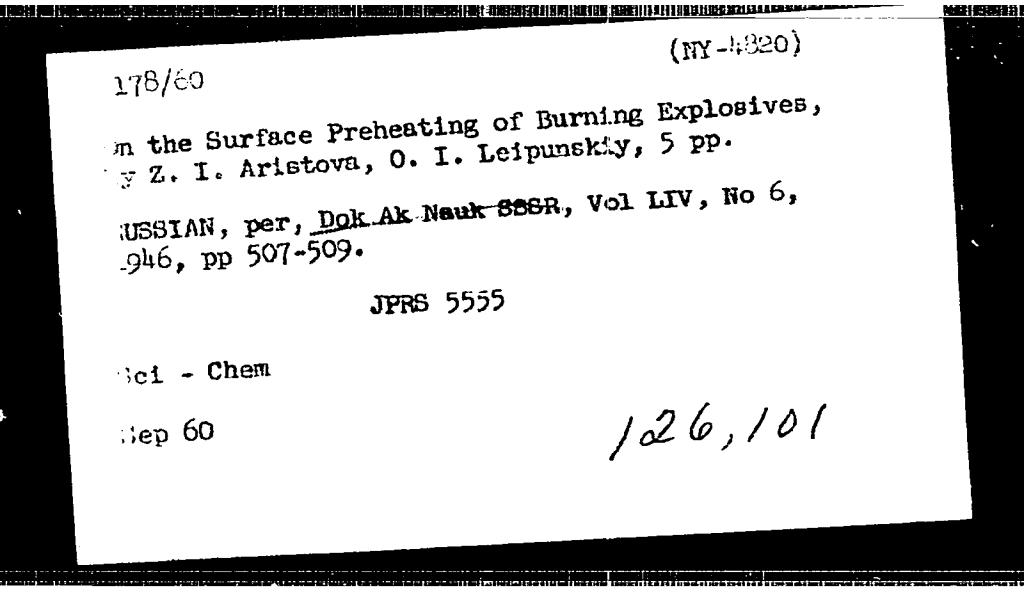

(NY-4820)

178/60

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Z. I. Aristova, O. I. Leipunskiy, 5 pp.

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DAN Vol 54, p. 689-92, 1946

"Equations of a Field of Total Flow Induced by the Wind in a Non-homogeneous Sea"; V.B. Shtokman

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Born Theory of the Crystal Lattice and of Light Scattering, by E. Gross, 4 pp.

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Aug 60

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On Turbulent Flow in Rough Tubes, by
V. G. Nevzgljadov.

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pp 103-106.

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On the Cooling of an Inhomogenous Body, by A. Datsev, 5 pp.

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RT-3167

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Sci - Physics

Aug 1956

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On the Positive Charge of the Sun, by V. Krat, 6 pp.

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

CR ACAD SCI Vol LV, No 7 Mar 1947

4 pp

"The Determination of Eigenvalues and Eigenfunctions of Certain Operators by Means of a Recurrent Circuit"

L. A. Lusternik, A. M. Prokhorov

ST-100
Article in English in
Comptes Rendus Acad Sci Vol 15, No 7
Trans done for AMC A9-T-12 Brown Univ Wo

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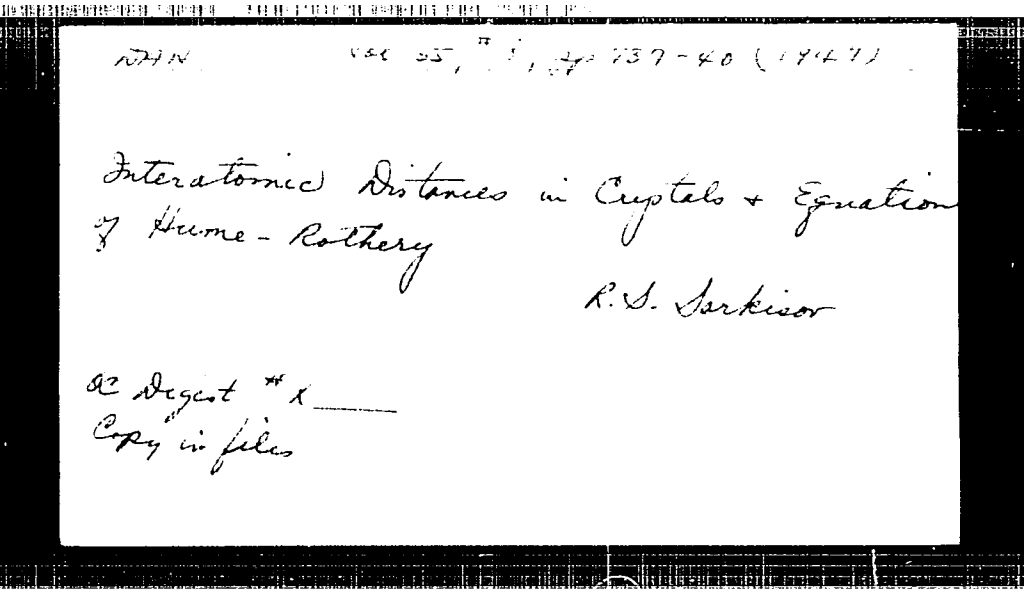

JPN Vol 55, [illegible], pp 737-40 (1947)

Interatomic Distances in Crystals + Equation
7 Hume-Rothery

R. S. Sarkisov

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Radiation of Night Sky in the Infrared Region of the Spectrum, by V. I. Krasovskiy, 4 pp.

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Scientific - Physics
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Mechanism of Ejection of Geoactive Corpuscles From the Surface of the Sun, by E. P. Mustel, 4 pp.

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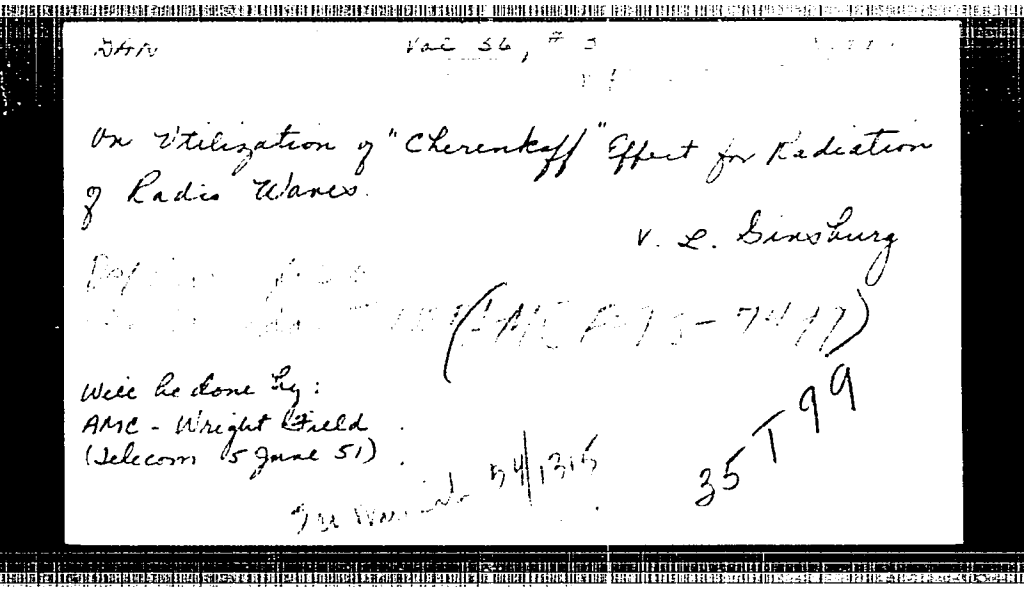

Vol 56, # 5

On Utilization of "Cherenkoff" Effect for Radiation of Radio Waves.

V. L. Ginsburg

(AAC 5-7-11)

Work be done by:
AMC - Wright Field.
(Telecom 5 June 51).

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On the Cooling of a Rod Which Consists of Two Homogenous Portions of Finite Length, by A. Datsev, 7 pp.

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Scientific - Physics
Jan 56 CTS/dex

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Electrical Discharges in Cavitation, by V. A. Konstantinov, 3 pp.

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DOK AKAD NAUK SSSR NOV SER Vol LVI, No 4 1 May 47

4 pp

"Determination of the Surface of a Body of Rotation with a Given Determined Pressure"

I. I. Eterman

7025
AR 25 Mar 49
Not published
copy in Lit PA file

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Isotopic Composition of the Oxygen of Some Minerals, by A. P. Vinogradov, E. I. Dontsova, 6 pp.

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SLA R-1219

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NIKITIN, V. P.

Doklady Akademii Nauk Sssr, vol. 56, 1947, no. 5, pp. 477-480; 3 figures, 1800 words.

Method of Welding Metals by Separate Processes of Fusion.

Brutcher Trans, Order No. 2553, $3.45

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

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Combinaisons De Certains Elements Des Terres Rares Avec Des Thiosulfate. (Combinations of Some Elements of the Rare Earths With the Thiosulfates), by D. I. Riabtchikov, V. Volkova, 8 pp.

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Reverse Translation
AEC/CEA-Tr-R282

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Belyaev, A. F. and Belyaeva, A. E.
DEPENDENCE OF COMBUSTION RATE OF PRIMING EXPLOSIVES UPON PRESSURE. [1963] 6p 12refs
Order from OTS, SLA or ETC $1.10 TT-63-20657

Trans. of [Akademiya Nauk SSSR.] Doklady] 1947, v. 56, no. 5, p. 491-494.
Another trans. is available from OTS or SLA $1.10 as TT-63-14390 [1963] 6p.

DESCRIPTORS: *Combustion, *Primers, Pressure, Mercury compounds, Fulminates, Nitrobenzenes, Azo radicals, Polycyclic compounds, Acetones, Peroxide, *Explosive materials.

(Chemistry--Physical, TT, v. 11, no. 4)

TT-63-20657

I. Belyaev, A. F.
II. Belyaeva, A. E.

Office of Technical Services

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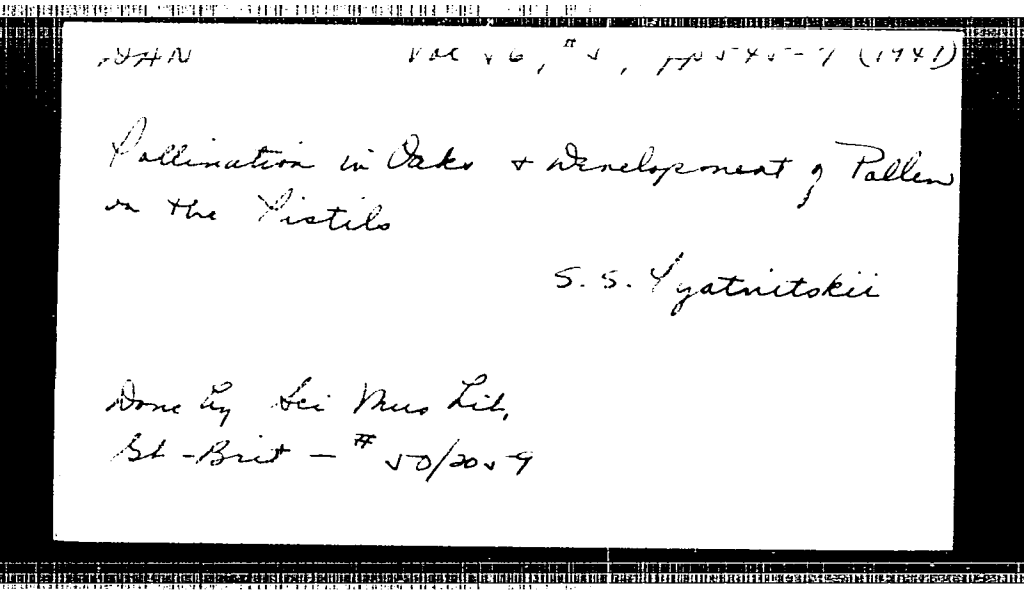

JHN Vol 16, # 1, pp 1-X-1-7 (1941)

Pollination in Oaks + Development of Pollen in the Pistils

S. S. Ivatnitskii

Done by Sci Mus Lib,
St-Brit — # 10/20.9

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

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Turbulent Air Flow Caused by Wing Vibrations at Supersonic [illegible] Speeds, by E. A. Krasil'shchikova, 5 pp.

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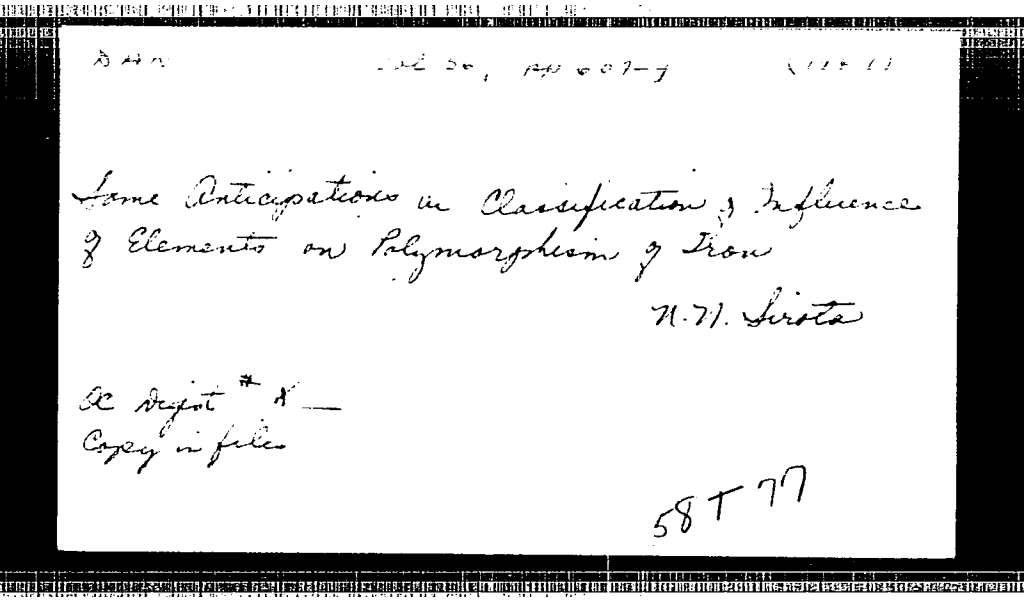

Some Anticipations in Classification of Influence of Elements on Polymorphism of Iron

N. N. Sirota

Reprint * X —
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58 T 77

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

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New Jersey

RJ-45

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Scientific - Biology
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Plastic Aftereffect in Single Crystals of Tin
Subjected to Plastic Flow, by V. I. Likhtman,
P. A. Rebinder.

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HB 4846

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AEC/SC/T-69-1042

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by K. P. Stanyukovich, V. V. Fedynskiy.

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ATIC F-TS-8961/III

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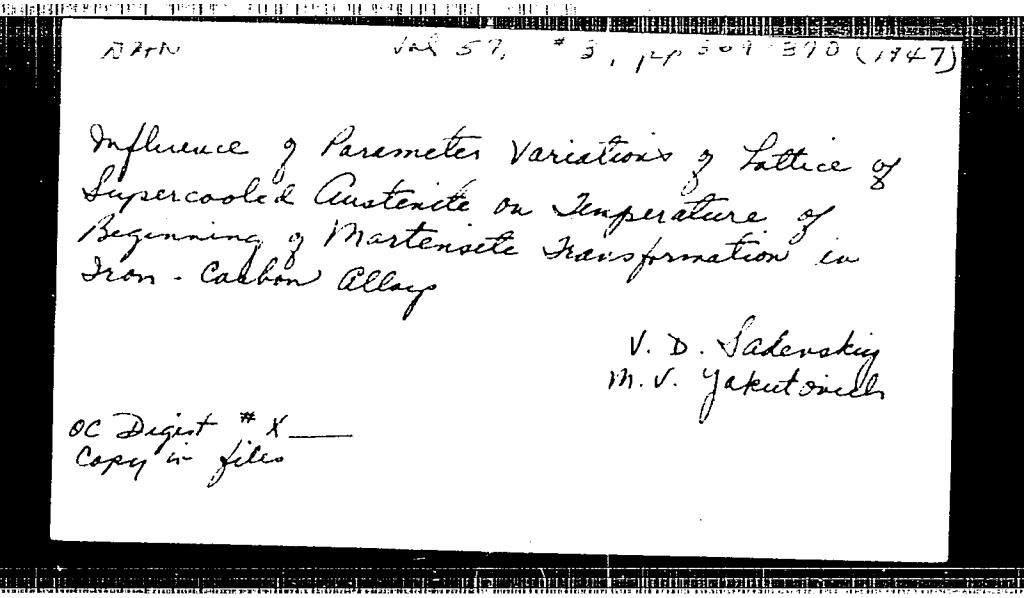

DAN Vol 57, # 3, pp 301-310 (1947)

Influence of Parameter Variations of Lattice of Supercooled Austenite on Temperature of Beginning of Martensite Transformation in Iron - Carbon Alloys

V. D. Sadovskiy
M. V. Yakutovich

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Kinetic Peculiarities of the Oxidation of Acetaldehyde in a "quenched" Reaction Mixture, by E. A. Blyumberg, N. M. Emanuel, 4 pp.

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Conditions f the Onset of Inatability in Normal Com' ion, by Ya. B. Zel'dovich, A. I. Rozlovsk' (pp.

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PT 4657

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Belyaev, A. F. and Belyaeva, A. E.
DEPENDENCE OF COMBUSTION RATE OF PRIMING EXPLOSIVES UPON PRESSURE. [1963] 6p. 12 refs. Order from OTS or SLA $1.10 63-14390

Trans. of [Akademiya Nauk SSSR, Doklady] 1947, v. 56, no. 5, p. 491-494.

DESCRIPTORS: *Combustion, *Primers, Pressure, Mercury compounds, Fulminates, Nitrobenzenes, Azo radicals, Polycyclic compounds, Acetones, Peroxide, *Explosive materials.

(Chemistry--Physical, TT, v. 10, no. 5)

63-14390

I. Belyaev, A. F.
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On the Disintegrating Action of Meteoritic Impacts, by K. P. Stanyukovich, V. V. Fedynskiy.
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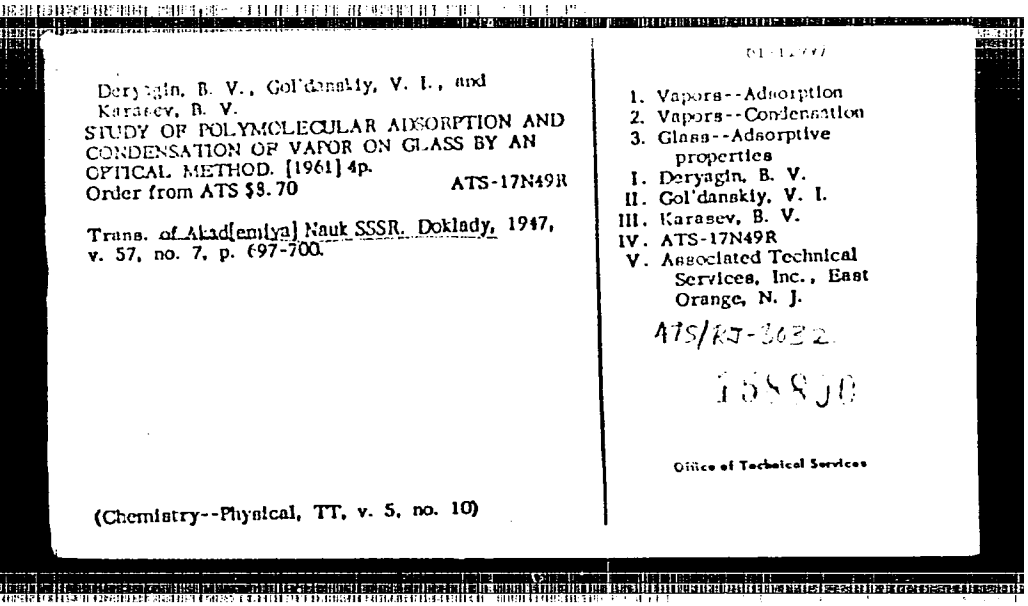

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STUDY OF POLYMOLECULAR ADSORPTION AND CONDENSATION OF VAPOR ON GLASS BY AN OPTICAL METHOD. [1961] 4p.
Order from ATS $3.70 ATS-17N49R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1947, v. 57, no. 7, p. 697-700.

(Chemistry--Physical, TT, v. 5, no. 10)

1. Vapors--Adsorption
2. Vapors--Condensation
3. Glass--Adsorptive properties
I. Deryagin, B. V.
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178/60 (SF-1048)

Limiting Diameters of Discharges of Chemically Homogenous Explosive Substances, by V. K. Bobolev, 6 pp.

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JPRS 4026

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Some Limit Theorems of the Theory of Branching Random Processes, by A. M. Yaglom.

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*AERE/Harwell

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UKSM No 3117

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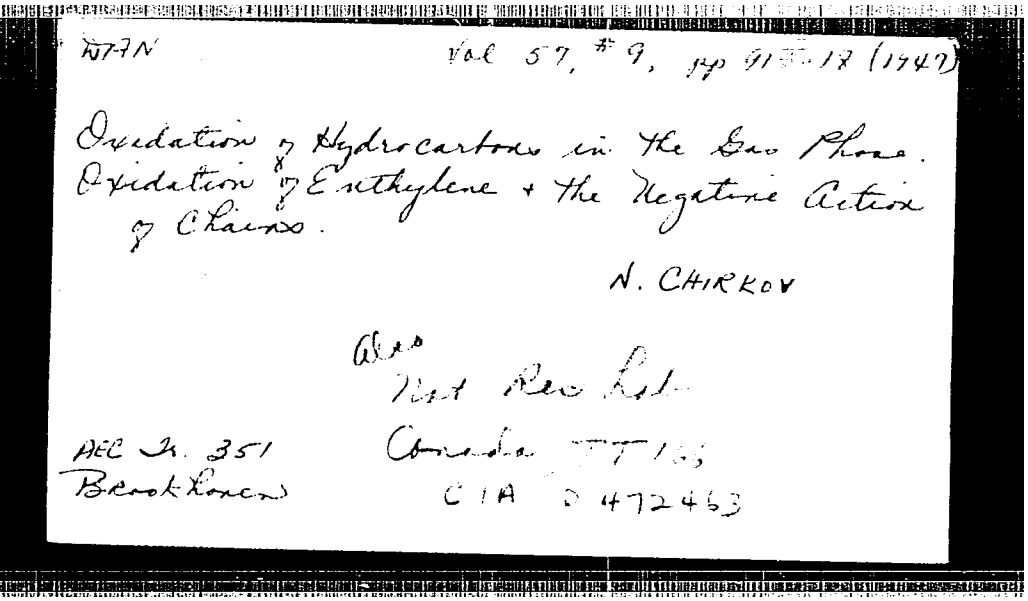

WTJN Vol 57, # 9, pp 91[illegible]12 (1947)

Oxidation of Hydrocarbons in the Gas Phase.
Oxidation of Ethylene + the Negative Action of Chains.

N. CHIRKOV

Abs
Nat Res Lab
Canada TT-163
CIA D 472463

DEC R. 351
Brookhaven

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*OTS 63-11039
*PL 480
[redacted]
PST - 697

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A Possible Method of Investigation of the Selective Absorption of Gamma Rays by Atomic Nuclei, by I. Farit, L. Groshev, M. Podgoretskiy.

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AEC TR

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RT-1072

61-18925 20,334

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Scientific - Geophysics

Nov CTS Dex only

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SLA R-1197

May 58

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Acetylation of Gene Proteins and Mutations,
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OTS 60-17761

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

Sukharevskii, Yu. M.
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Order from OTS or SLA $1.10 61-18926

Trans. of Akademiya Nauk SSSR. Doklady, 1947, v. 58, no. 2, p. 229-231.

DESCRIPTORS: *Underwater sound, *Echo ranging, Absorption.

(Physics--Acoustics, TT, v. 6, no. 8)

61-18926

L. Sukharevskii, Yu. M.

[illegible]3159

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000301030006-5

178/60 (SF-1048)

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JPRS 4027

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Sep 60

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